

REMARKS

We are in receipt of the Office Action dated July 29, 2003, and the above amendment and the following remarks are made in light thereof.

Claims 1-74 and 76-153 are pending in the application.

Pursuant to the Office Action, claims 1, 5, 10, 11, 29, and 36 are rejected under 35 USC 103 as being unpatentable over Okada et al 5,673,061 in view of Mosier 5,606,437. Claims 2, 6, 26, 30, 33, and 37 are rejected under 35 USC 103 as being unpatentable over Okada et al. in view Mosier and further in view of Yasunishi 6,094,243. Claims 3, 4, 8, 27, 28, 32, 34, 35, and 39 are rejected under 35 USC 103 as being unpatentable over Okada et al., Mosier, and Yasunishi and further in view of and further in view of Yamazaki et al. 6,335,716. Claims 7, 31, and 38 are rejected under 35 USC 103 as being unpatentable over Okada et al. in view of Mosier, and further in view of Yamazaki et al. Claims 12-17, 40-74, 76-82, and 89-152 are rejected under 35 USC 103 as being unpatentable over Yamazaki et al. or Holmes et al. 3,792,919 or Kimura 5,610,741, or Munyan 5,761,485, or Stambolic et al. 5,893,798, or Kleinschmidt et al. 6,085,112, or Sato 6,167,208 or Yun et al. 5,835,139, in view of Okada et al. and Mosier, or of Okada et al., Mosier, and Yasunishi, or of Okada et al., Mosier, Yasunishi, and Yamazaki, or of Okada et al., Mosier, and Yamazaki. Claims 9 and 19-25 are rejected under 35 USC 103 as being unpatentable over Okada

et al. and Mosier, or of Okada et al., and Mosier, and Yasunishi, or of Okada et al., Mosier, Yasunishi, and Yamazaki or of Okada et al., Mosier, and Yamazaki and further in view of Wu et al. 6,245,256. Claims 18, 83-88, and 153 are rejected under 35 USC 103 as being unpatentable over Okada et al. and Mosier or of Okada et al., Mosier, and Yasunishi, or of Okada et al., Mosier, Yasunishi, and Yamazaki, or of Okada et al., Mosier, and Yamazaki, and further in view of Bhargava 5,455,489. Claim 4 is also objected to for double patenting with respect to claim 3. These rejections have been made final.

Pursuant to the present amendment, all the independent claims have been amended so as to include a feature that a gray scale display level of one frame period of one pixel among the plurality of pixels corresponds to a value obtained by averaging gray scale voltage levels inputted in each subframe period contained in the one frame period. This feature is described in Fig. 8, and supported in the specification at page 16, last line, to page 17, second line.

Mosier is relied upon by the examiner for rejecting claims for obviousness. The examiner contends that Mosier teaches that a gray scale display level of one frame period corresponds to a value obtained by averaging gray scale voltage levels inputted in each subframe period (referring to first pixel sub-element 20A and second pixel sub-element 20B) contained in the one frame period. In other words, the examiner is asserting that Mosier

teaches to take an average output intensity of two sub-pixels 20A and 20B, as shown in column 5, lines 25-47.

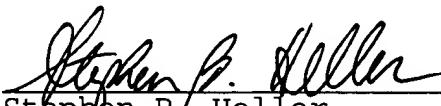
On the other hand, the amended claims recite that the grey scale display level of one pixel corresponds to a value obtained by averaging gray scale voltage levels inputted in each subframe period contained in the one frame period. Mosier fails to teach this feature. The other references relied upon by the examiner do not satisfy this deficiency of Mosier.

With respect to the double patenting objection of claim 4 with respect to claim 3, claim 3 has been amended to delete the limitation of "wherein one frame image comprises 2^{m-n} subframes". Thus, applicant contends that claim 4 is no longer a substantial duplicate of claim 3, and the double patenting objection should be withdrawn.

Accordingly, based upon the foregoing, applicant respectfully submits that the application is now in condition for allowance and an early Office Action in this regard is earnestly solicited.

Respectfully submitted,

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